

REMARKS/ARGUMENTS

Claims 1-30 are pending in the application. Claims 1-4, 11-13, 18-21, 25-27 and 30 have been rejected. Claims 5-10, 14-17, 22-24, and 28-29 are objected to as being dependent on a rejected base claim. Claims 1, 6, 11, 15, 18, 23, 25, and 29 have been amended. Claims 5, 14, 22, and 28 have been cancelled.

Claims 1-3, 11-12, 18- 21, 25-27, and 30 were rejected under 35 U.S.C. §103(a) as being unpatentable over Tsao et al., U.S. Patent No. 6,607,942 (hereinafter “Tsao”) in view of Orimo et al., Japanese Patent No. JP09312358 (hereinafter “Orimo”). Claims 4 and 13 were rejected under 35 U.S.C. §103(a) as being unpatentable over Tsao in view of Orimo in further view of Sharp, Japanese Patent No. JP53011591 (hereinafter “Sharp”).

Claim Rejections under 35 U.S.C. §103

Claims 1-3, 11-12, 18- 21, 25-27, and 30 were rejected under 35 U.S.C. §103(a) as being unpatentable over Tsao in view of Orimo. As per claims 1, 11, 18, and 25, Applicant respectfully submits that Tsao, Orimo, and any combination thereof neither teach nor suggest the channel being plated with a wetting layer. As stated by the Examiner, the prior art of record does not teach the channel being plated with a wetting layer, as recited in claims 1, 11, 18, and 25 as amended. Therefore, Tsao and Orimo do not render obvious claims 1, 11, 18, and 25 as amended. Applicant further respectfully submits that claims 2-3, 12, 19-21, 26-27 and 30 are allowable as depending from the allowable base claims 1, 11, 18, and 25, respectively.

In view of the above, reconsideration and withdrawal of the rejection of claims 1-30 under 35 U.S.C. §103(a) is respectfully requested.

Claims 4 and 13 were rejected under 35 U.S.C. §103(a) as being unpatentable over Tsao in view of Orimo in further view of Sharp. As stated by the Examiner, the prior art of record does not teach the channel being plated with a wetting layer, as recited in claims 4 and 13 by dependency on claims 1 and 11 as amended. Applicant respectfully submits that claims 4 and 13 are allowable as depending from the allowable base claims 1 and 11, respectively.

In view of the above, reconsideration and withdrawal of the rejection of claims 1-30 under 35 U.S.C. §103(a) is respectfully requested.

Applicant respectfully requests examination of the above claims as amended. A Notice of Allowance is earnestly solicited.

The Examiner is invited to contact the undersigned at (408) 975-7500 to discuss any matter concerning this application.

The Commissioner is hereby authorized to charge Deposit Account **11-0600** for any fees required or credit any overpayments in connection with this correspondence.

Respectfully submitted,

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